

LUBRICATING PAINT CONTAINING BORON NITRIDE

OLYMPUS OPTICAL CO LTD

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PURPOSE: To provide the titled paint giving a coating film which has lubricity and is capable of following the stretching, flexing and compression of objects, by blending **boron nitride** with a rubber elastomer solution.

CONSTITUTION: **Boron nitride** (C) having a particle size of 10. μ m. or below is blended with a solution containing 100-30wt% rubber elastomer (A) such as thermoplastic polyurethane rubber and 0-70wt% adhesiveness-strengthening resin, film hardness-controlling resin completely or partially compatible with component A, such as an epoxy resin, in such a proportion as to give a weight ratio of A+B/C of 80/20-20/80. If necessary, additives such as an extender, a colorant, an electrically conducting agent, etc. are added thereto. Mixing is conducted in a ball mill for 30min to 48hr to uniformly disperse them in one another. **EFFECT:** A coating film can be obtained which has low coefficient of friction even at a high sliding speed or even under high compression and has a good slipping performance in a wet state.